

## Anti-DDR2 Antibody (6A828)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	6A828
Purification:	Affinity-chromatography

## Applications

	Western Blot
	-Positive WB detected in: A549 whole cell lysate, SY5Y whole cell lysate, A375 whole cell lysate, HEPG2 whole cell lysate, Mouse Lung tissue lysate
Verified Activity:	-All lanes: DDR2 antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 96 kDa -Observed band size: 110 kDa
Application:	ELISA, WB, FCM
Recommended	WB:1:500-1:2000; FCM:1:50-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human DDR2
Antigen Species:	Human
Gene ID:	4921
Uniprot ID:	Q16832
Synonyms:	CD167;TYRO10;MIG20a;TKT;NTRKR3;discoidin domain receptor tyrosine kinase 2
Biology Area:	Neuroscience, Cardiovascular

## Research Background

Tyrosine kinase involved in the regulation of tissues remodeling. It functions as cell surface receptor for fibrillar collagen and regulates cell differentiation, remodeling of the extracellular matrix, cell migration and cell proliferation. Required for normal bone development. Regulates osteoblast differentiation and chondrocyte maturation via a signaling pathway that involves MAP kinases and leads to the activation of the transcription factor RUNX2. Regulates remodeling of the extracellular matrix by up-regulation of the collagenases MMP1, MMP2 and MMP13, and thereby facilitates cell migration and tumor cell invasion. Promotes fibroblast migration and proliferation, and thereby contributes to cutaneous wound healing.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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